



48 x 48

Note: Preliminary information, consult factory for availability

**FEATURES**

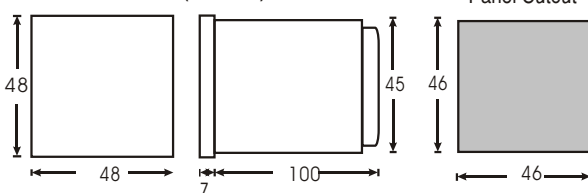
- Compact Size: 1/16 Din
- TC523- 3 digit; TC518- 4+4 digit
- PID Control with reduced overshoot
- Auto-tuning
- 85 to 270 VAC Supply Voltage (also available 24 VAC/DC models consult factory)
- °C / °F selectable
- Accepts sensor inputs (thermocouple or RTD)
- High Indication Accuracy: ±0.25%
- Sensor Error Compensation (offset) and Break Detection
- Setpoint lock
- Compliance: CE, RoHS

**PRODUCT CODE**

BEZEL SIZE (mm)	MODELS
48 x 48	TC523
48 x 48	TC518

1. For SSR output models : Add suffix '-SSR'. For eg : TC523-SSR
2. For 24VAC / DC supply models : Add suffix '-24V'

**DIMENSIONS (in mm)**



**SPECIFICATIONS**

**DISPLAY:** 7 segment LED  
 TC523- 3 digit  
 TC518- 4+4 digit

**LED INDICATION** (R)Relay ON and (T)Tune

**SETTINGS** Via keys on front panel

**SENSOR INPUT**

<b>Thermocouple - TC523</b>	TC518
J : -99 to 750°C	-200 to 750°C
K : -199 to 999°C	-200 to 1350°C
T : -199 to 400°C	-200 to 400°C
R : 0 to 999°C	0 to 1750°C
S : 0 to 999°C	0 to 1750°C

**RTD input (2 wire or 3 wire)**

PT100 : -100 to 850°C

**TEMPERATURE UNIT** °C / °F selectable

**RELAY MODE** Heating / Cooling

**HYSTERESIS** Programmable  
**TC523** - 1 to 99  
**TC518** - 0.1 to 99.9

**RESOLUTION** Programmable  
**TC523:** Fixed 1°C  
**TC518** - TC: Fixed 1°C ;  
 RTD: 0.1° / 1°C selectable

**DISPLAY BIAS** **TC523:** -99 to +99  
**TC518:** -99.9 to +99.9

**OUTPUT** 1 C/O ; 10A relay

**SENSOR BREAK**  Indicated on display

**TC REVERSE**  Indicated on display

**POWER** 85 to 270 VAC , 50 or 60 Hz,  
 (Optional : 24VAC /DC consult factory)

**TEMPERATURE** Operating: 0 to 50°C,  
 Storage: -5 to 50°C.

**HUMIDITY** 95% RH.

**TERMINAL CONNECTIONS**

